

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead *

DISTRICT 04 - Spotted Bear *

Expiration Date = April 1, 2017

V16.1

**TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT**

Select Contract Type

Silver Mule

(SALE NAME)

TIM # 16407

TYPE 6 - Contract Form 2400-6

UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Reviewed by (Signature)

(Date)

Recommended by (Signature)

(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

Timber Sale Final Package Approved By:

(Date)

TIMBER SALE INFORMATION

TIM, Gate 3, Create Timber Sale (Prep101)

Sale Area Description:

Primary County Name (FIPS Code):

029 - Flathead *

Sale Area Legal Description (short T & R):

T25N, R15W, PMM

Sale Area Legal Description (long):

Portions of Sections 2,3,4,7,8,9,10,11,16,17,18,20,21,22,26,27,28,and PB44,45,46 of T25N, R15W, Flathead County, State of Montana, PMM

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s):

62

Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

<u>NEPA Document Name</u>	<u>Percentage of Sale Volume (CCF)</u>
Spotted Bear River	100

The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADV115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:_____

Briefly describe additions or changes made to project design during timber sale preparation.

A portion of the Silver Mule Timber Sale Area was burned by the Trail Creek Fire in 2015. A supplemental information report was prepared in 2016 that dropped units burned by the fire from the Timber Sale.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

Purpose (TIM -PREP101)

Activity

% of Sale Volume - CCF (TIM - PREP101)

TC - Timber Commodity Purpose *	01 - Timber Purpose *	10
*	*	
*	*	

SALE PURPOSE AND ACTIVITY CODING INSTRUCTIONS

www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc

SALVAGE SALE FUND INFORMATION

TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc

SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration *
(Use for all other sales - stand(s) that include a salvage component)

SSF Volume (CCF):

247.61

5%

% of total volume

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE:

#

16405

CHECK CRUISE:

Date of Cruise

6/1/2016

Date of Check:

Cruisers:

Darin Nichols

Paul Donnellon

Cruisers:

Method:

Variable Plot

Results:

SE%:

19.81

Method of determining ROW volume:

Basis for Percent Defect:

Seen defect by rules established in cruise plan, unseen defect using Flathead Forest scaing defect average of 6%.

(TIM GATE 3 - PREP 104)

(TIM GATE 3 - PREP 103)

ROW units need to be entered last, Harvest Method=270, MA=ROW

Total Sawtimber	(Sheet 1)	3793	CCF
Total Saw + Non-Saw	(Sheet 1)	5053	CCF

APPRAISAL CCF TO TON WORKSHEET

☐ Check Box

Check Box to use Fire
Salvage Weights

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons
017-GF	0	0	0	0	3.1275	0
019-AF	16	51	0	51	2.4735	126
073-L	9	49	0	49	3.1935	156
093-S	6	292	0	292	2.7040	790
108-LP	8	248	0	248	3.0210	749
119-WP	0	0	0	0	3.2230	0
122-PP	8	69	0	69	3.2230	222
204-DF	9	3084	0	3084	3.0160	9301
242-C	0	0	0	0	2.3540	0
263-H	0	0	0	0	3.2425	0

Net MBF/CCF Ratio For
Sawtimber From NCS Report
VSM3 (CS1) **.50968**

TIM Conversion	Prep 105 Factors
MBF	CCF
.17040	.33440

TOTAL = 9 3793 0 3793 2.9908 11344 =

NON-SAWTIMBER - CCF

☐ Check Box

Check Box to use Fire
Salvage Weights

Species	Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons
GF	0		0	2.9470	0
AF	14		14	2.3340	33
L	8		8	3.0785	25
S	112		112	2.6330	295
LP	309		309	3.0200	933
WP	0		0	3.1500	0
PP	5		5	3.1510	16
DF	812		812	2.7885	2264
C	0		0	2.3540	0
H	0		0	3.2425	0

0% %Dead

Net MBF/CCF Ratio For
Non-Sawtimber From NCS Report
VSM3 (CS1) **.50723**

TIM Conversion	Prep 105 Factors
MBF	CCF
.17920	.35330

TOTAL = 1260 0 1260 2.8302 3566 =

TOTALS = Gross 0 Net 5053 Tons 14910

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF) 5053
 APPRAISAL VOLUME (CCF) 3793
 CONTRACT VOLUME (TONS) 14910 (Note: Total Tons to be used for Rd. Maintenance Appr.)
 WTD TONS/CCF 2.9500

ASSIGN CONTRACT SPECIES					UTILIZATION STANDARDS				
TIM Gate 3 - Prep 105 Contract Species Association Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract. All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species					TIM Gate 4 - Contract Prep Information ADVR114 Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.				
Contract Species	Full Name for Contract	Conversion Factors		Minimum Specifications					
		(only applicable to weight scale sales)							
		(Enter from Species Volume Summary)		DBH	Number of Pieces	Length	DIB	Merch. Factor	
(Major Species Group)		MBF	CCF						
DF&C	Live and Dead Douglas fir and Other	0.1704	0.3344	7	1	8.0	5.6	10.67	
LP	Live and Dead lodgepole pine	0.1704	0.3344	6	1	8.0	5.6	10.67	
				0	0	0.0	0	0	
<input checked="" type="checkbox"/> ##	CS Live and Dead	0.1792	0.3533	4	1	8.0	2.5	N/A	
<input type="checkbox"/>	C14 Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0	

[illegible][illegible]

Horse		
410	0	VOL
	0	AVE EYD

HAUL

Appraisal Point:
Total Sawtimber Tributary Volume:

Columbia Falls

State **Montana**

(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)

(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)

WTD HAUL MILES

WTD Haul Note

[illegible]

WTD Total Paved Miles

(Sheet 1) **9.8**

WTD Total Unpaved Miles

(Sheet 1) **55.9**

WTD Total Miles

(Sheet 1) **65.7**

NON-SAWTIMBER ADJUSTMENTSAppraisal Point: **Columbia Falls, MT****DATA INPUT**

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$33.00	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	1,260	
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	3,566	
Tons / CCF for nonsawtimber material	2.83	
Total Appraised Sawlog Volume (CCF)	3,793	
Total One Way Weighted Haul Miles	197	131

*Use LP NonSaw
page for High
Value Non-Saw
Products of Any
Species, not just
Lodgepole Pine*

Haul Adjustment

No Adjustment Needed if
using LP Non-Saw

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF) (NCS R103)	825	102	
Net MBF / Acre Harvested for nonsawtimber primary product	1.5	1.6	0.0
Average DBH Harvested for nonsawtimber primary product (NCS R103)	6.4	6.3	0.0
Average Yarding Distance (Feet)	946	346	0
Nonsawtimber Primary Product (Tons)	2,336	288	0
Net Tons / Acre Harvested for nonsawtimber primary product	4.2	4.6	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	-\$20.34
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$20.34

RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

Contract Rates

	\$/CCF	\$/TON
Total Performance Recurrent Maintenance (Part A)		
C(T)5.31 - Recurrent Maintenance	\$5.59	\$1.90
C(T)5.312 - Reconditioning	\$0.00	\$0.00
Total Performance (Part A)	\$5.59	\$1.90 (A)
Total Required Deposits (Recurrent and Deferred) (Part B)		
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADV105)		
C(T)5.32# - Total Required Deposits (Part B)	\$4.42	\$1.50 Recurrent
	\$8.32	\$2.82 Deferred
	\$12.74	\$4.32 (B)
C(T)5.314 - Total Dust Abatement (Part C)	\$0.79	\$0.27 (C)
TOTAL MAINTENANCE COST (Parts A-B-C)	\$19.12	\$6.48

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ 16.97	CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ 24.42	CCF

Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.
(Attach worksheets with road costs)

Specified Road Construction

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	282	0	32	0	0	314
Volume	3426	0	367	0	0	3793
EYD	946	0	346	0	0	

☐ Check Box if accomplishing road construction or re-construction work under timber sale.

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks

\$0.00

OR from BDKV Worksheet as Draft Activity Value

(Subtotal

for Required Reforestation with National Program Support Cost Included)

Note: Base Rates may be raised for regeneration on only the Sawtimber component for green sales or % of Live Sawtimber on Salvage sales.

In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume (ALL Vol./Products) _____ CCF X \$0.25 (NFF)

5,053

\$0.25

\$1,263.25

Select Either (A) or (B)

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. =

\$0.00

100%

\$0.00

(d)

(B) Salvage Sales enter % Live Sawtimber Volume;

For Partial Cut Stands Use Previously Cut Worksheet.

Total:

\$1,263.25

(a)

**% Adjustment For
Partial Cut Stands**

0%

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		<u>Per CCF</u>	<u>Total</u>	<u>Per CCF</u>	<u>Total</u>
WP, PP, C	69	\$5.00	\$345.00	\$5.00	\$345.00
All other species (list)	3724	\$3.00	\$11,172.00	\$3.00	\$11,172.00
Nonsawtimber (all species)	1260	\$1.00	\$1,260.00	\$1.00	\$1,260.00
TOTALS	5053	XXXXX	\$12,777.00	XXXXX	\$12,777.00
			(b)		
Sawtimber (Appraisal) Volume	3793				
		Weighted Average Minimum Rate		\$3.04	

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF)

-\$11,513.75

(c)

Note: If minimum rate total (b) => (a) no adjustment needed

No Adjustment

Adjustment To Minimum Rate:

\$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF

0

3,793

\$0.00

1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81

(Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))

2/ Minimum rate + adjustment = Base Rate

FACTS INFORMATION

(Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates =

\$0.00

(The only stumpage available for KV at advertised rates is when KV is protected by base rates)

BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

OR from BDKV Worksheet as Draft Activity Values

Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD) **\$3,231.00** Total \$ (a) **\$0.85** CCF

Purchaser Rate (Fund Code PPPP)	\$36,356.96	Total\$	(b) \$9.59	CCF
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TOTAL: (a) + (b) = \$10.44 CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)	\$0.64 CCF
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(Rate Per CCF Converted to Tons for Weight Scale Contracts) **\$0.22** TON

Lump Sum BD Deposits for Weight Scaled Sales

[illegible]

Total Cost	\$3,231.00
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(Sheet 1)

EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
-----------------	-----------------

Slender Wheatgrass	6
Mountain Brome	9
Bluebunch Wheatgrass	4
Blue Wildrye	5
	0

TOTAL	24
-------	----

Type of Fertilizer	Pounds per Acre
--------------------	-----------------

25-10-10 or 27-12-12 or 34-16-10	0
----------------------------------	---

TOTAL	0
-------	---

Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

Scarification - Landings and Skid Trails ONLY

acres @ per acre =

Seed and Fertilizer

If Temp Road seeding is not included in Temp Road worksheet then enter here

Temporary Roads feet = acres
 Firelines feet = acres

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Landings

Number of landings X acres per landing = acres

TOTAL acres

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse
Acres	282	0	32	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		\$ / Lb		\$ per Acre
Slender Wheatgrass	6	X	\$12.00	=	\$72.00
Mountain Brome	9	X	\$12.00	=	\$108.00
Bluebunch Wheatgrass	4	X	\$12.00	=	\$48.00
Blue Wildrye	5	X	\$12.00	=	\$60.00
	0	X		=	\$0.00
Fertilizer	0	X		=	\$0.00
*Labor per Acre				=	\$42.00

\$ per acre **\$330.00**

Total cost for

SEEDING	21.9	acres	X	\$288.00	\$/acre =	\$6,307.20
FERTILIZER	21.9	acres	X	\$0.00	\$/acre =	\$0.00
LABOR	21.9	acres	X	\$42.00	\$/acre =	\$919.80
SCARIFICATION						\$0.00
TOTAL						\$7,227.00

\$7,227.00 COST / **3793** CCF = **\$1.91** PER CCF

* Engineers estimate Page 103 of the Cost Guide Item Labor Rates.

http://fsweb.r1.fs.fed.us/e/Transportation/Development/2013_Cost_Estimating_Guide_for_Road_Construction.pdf

Document Rational for Changes to Standard Seed Mix.

OTHER CONTRACTUAL REQUIREMENTS (A)

**Other - Include Contractual Obligations Requiring Performance Bond Coverage
(Road closure, Barriers, Trail Restoration, etc.)**

ITEM	#	X	COST	=	TOT COST
Earth Berm reinstall	3	X	\$200.00 per each	=	\$600.00
Temporary Gates available at SBRD		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00

\$600.00 Cost / **3793** CCF = **\$0.16** CCF

Subtotal Other Contractual Requirements (A) = **\$0.16** CCF

OTHER CONTRACTUAL REQUIREMENTS (B)

The cost allowance for herbicide application has been based on the following assumptions; 300 gallon sprayer with herbicide injectors (not tank mixed); 20 gallon of carrier/ac; one trip will be required for each herbicide per road; labor rate and production includes mix, loading, cleanup and daily documentation; misc. expenses include equipment maintenance and depreciation, herbicide storage and handling and licensing fees. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in K-G.2.7# under Technical Spraying Specifications.

<u>Herbicide</u> (Common name)	<u>Application Rate oz</u> per acre	<u>Cost</u> Per oz	<u>Cost per</u> <u>UOM</u>
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile

Price quote for herbicide obtained from:

<u>Sufactant & Dye</u>	
.32 oz/gal H2O	\$0.68/acre = \$2.45/ mile
<u>Labor Rate</u>	\$40/ hour (2 Miles per hour)

Miles of road to be sprayed: 0 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00

Sufactant & dye:	0		\$0.00
Application Cost (Labor):	0		\$0.00
Misc. Expenses:	0		\$0.00

TOTAL WEED TREATMENT: \$0.00 cost / 3793 CCF = \$0.00 CCF

ON-SITE EQUIPMENT WASHING K-G.3.5.1#

Cost allowance for washing off-road equipment *Prior To Leaving* locations identified in EIS/EA

Number (pieces of equipment)		Number of seasons	
Cleaning costs per piece	\$0.00	CCF	3793

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.00 CCF

MISCELLANEOUS CONTRACTUAL REQUIREMENTS**(C)*****(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)*****Stump Shoveling** (Not required under normal operating/winter conditions. Include if clippers not allowed)

	# stumps	X	\$0.00	\$ per stump	=	\$0.00
--	----------	---	--------	--------------	---	--------

\$0.00	Cost	/	3793	CCF	=	\$0.00	CCF
--------	------	---	------	-----	---	--------	-----

Stump Treatment

*C(T)6.412# Limits treatment to stumps >12". Use Report TC 56 for ~10" DBH
 Cellu-Treat Wood Preservative: 1# + 2gal water will treat ~500 12" stumps. @
 \$40/hr and 40 stumps/hr + \$.01/stump for Cellu-Treat = \$1.01/stump**

*		# stumps	X	\$0.00	\$ per stump**	=	\$0.00
---	--	----------	---	--------	----------------	---	--------

\$0.00	Cost	/	3793	CCF	=	\$0.00	CCF
--------	------	---	------	-----	---	--------	-----

Snow Plowing

Grader @ \$110/hr and Operator @ \$46/hr , and includes MOB of \$750.
 Production Rate: 1-2 miles/hour; .25-1 miles/hour on initial plow or with heavy snow.
 Total Cost: ~ \$200/mile

	# miles	X		\$per mile	X		# plowings	=	\$0.00
--	---------	---	--	------------	---	--	------------	---	--------

\$0.00	Cost	/	3793	CCF	=	\$0.00	CCF
--------	------	---	------	-----	---	--------	-----

Document Additional Costs for Plowing

Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)

ITEM	#	X	COST		TOT COST
U53A exc trail const and oblit	1	X	\$618.80	per each	\$618.80
Developing trail for yarder and rehabbing the trail					
U53A skidding away	158	X	\$15.90	per CCF	\$2,512.20
Cost adjustment for skidding material away from yarder to processing area					
XXX		X	\$0.00	per XXX	\$0.00
XXX		X	\$0.00	per XXX	\$0.00
XXX		X	\$0.00	per XXX	\$0.00
XXX		X	\$0.00	per XXX	\$0.00
XXX		X	\$0.00	per XXX	\$0.00
XXX		X	\$0.00	per XXX	\$0.00
XXX		X	\$0.00	per XXX	\$0.00

<div style="border: 1px solid black; padding: 2px; display: inline-block;">\$3,131.00</div> Cost /	<div style="border: 1px solid black; padding: 2px; display: inline-block;">3793</div> CCF =	<div style="border: 1px solid black; padding: 2px; display: inline-block;">\$0.83</div> CCF
--	---	---

Subtotal Miscellaneous Contractual Requirements (C)	=	<div style="border: 1px solid black; padding: 2px; display: inline-block;">\$0.83</div> CCF
---	---	---

Total Other Contractual Requirements (A+B+C)	<div style="border: 1px solid black; padding: 2px; display: inline-block;">\$0.99</div> CCF
Brush Disposal (Purchaser and FS)	<div style="border: 1px solid black; padding: 2px; display: inline-block;">\$10.44</div> CCF
<u>Total Environmental Protection Cost</u>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">\$11.43</div> CCF

TEMPORARY ROADS

3.19 Miles

If you have more
Temporary Road
lump Roads to

Temporary Road #1

Unit 39 existing

Cost \$

\$959.00

Temporary Road #2

Unit 45 existing road template

Cost \$

\$1,234.00

Temporary Road #3

Unit 52 existing template

Cost \$

\$3,792.00

Temporary Road #4

Unit 53 existing template

Cost \$

\$1,987.00

Temporary Road #5

0

Cost \$

\$0.00

TOTAL TEMPORARY ROAD COST =
(Total Temporary Development Costs)

\$7,972.00

\$7,972.00

Cost \$ /

3793

CCF =

\$2.10

CCF

Cost Guide for Temporary Roads

http://fsweb.r1.fs.fed.us/e/Transportation/Development/2013_Cost_Estimating_Guide_for_Road_Construction

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

\$1.19

UNUSUAL CONDITION ADJUSTMENTS

Cost \$ /

3793

CCF =

\$0.00

CCF

re than 5
s, you can
ogether.

[ction.pdf](#)

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season

(ADVR114, Page 1)

Units

First Period : to ALL

Second Period: to

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: mm/dd/yy
(ENTER N/A if no roads)

Contract Termination Date: mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: * This Date is for Information Only. TIM will Calculate Official Date.

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / man
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

(A) Total Volume = CCF
(B) Sale Duration = YEARS (Calculated from Award Date to Termination Date)
(C) Operating Days in Sale = (Sale Duration X 120 days.)
(D) CCF Per Day = (Total Volume / Operating Days in Sale)
(E) Men Needed to Log Sale = (CCF Per Day / 5 CCF)
(F) Liability = (Wage Rate AD-C) (hrs/shift) X (# shifts) X
http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm
 (# men) = TOTAL LIABILITY =

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL =

When sale is entered through TIM, Bid Guarantee is calculated and auto-filled during completion of Gate 4 –Prospectus, Bid and Misc. Information – Page 1- (ADVR115)

MINIMUM PERFORMANCE BOND:

TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)

The greater of (A) or (B) rounded **UP** to nearest \$100.00 if sale is under \$10,000.00 stumpage value and up to nearest \$1,000.00 if sale is over \$10,000 stumpage value.

(A) Advertised Value \$12,791 X 10% = \$1,279

Rounded 10% Advertised Value = **\$2,000** (A)

(B) Purchaser requirements (Performance) - Based on number of seasons.

Road Maintenance =	\$5.59	CCF
Erosion =	\$1.91	CCF
Brush Disposal =	\$9.59	CCF
Other =	\$1.35	CCF
Total =	\$18.44	CCF

Total Purchaser Requirements = **\$18.44** X Tot Vol **3793** CCF = **\$69,939** Tot Value

divided by **3** # Seasons = **\$23,313** Performance Bond Value

Rounded Performance Bond Value = **\$24,000 (B)**

MINIMUM PERFORMANCE BOND

\$24,000

2400-17 Input Sheet for R1 TIMBER SALE APPRAISAL

Create New Sale

Sale Name	Silver Mule *
Sale No	16407 *
Forest No	10 - Flathead
District No	04 - Spotted Bear

Size Class

Sale Status

SBA Code

Appraisal Type

7 - \$1,000,000.01 thru \$5,000,000 *

N - No *

TE - Transaction Evidence *

Basic Information

State	MT - Montana *
County Code	029 - Flathead *
Legal Description	T25N, R15W, PMM *
Appraisal Date	
Contract Date	
Term Date	9/30/2018 *
Bid Date	
Modified By	
Modified Date	

Salvage Code

Pricing Method

SAI Collection

Contract No

Contract Form

CO Authority

Sale Method

Regulation Code

2 - Salv Sale or Salv Component in Regular Program *

100D - Escalated 100% up, 100%down *

\$0.00

6 - Contract Form 2400-6 *

S - Forest Supervisor *

S - Sealed Bids *

6 - 36 CFR 223.1 Commercial Sale *

Area & Volume

Total Sale Area Acres	4024
Clearcut Acres	0
Seed Tree Acres	0
Right Of Way Acres	0
Final Seed Tree Acres	0
Shelter Wood Acres	0
Cedar Poles: Volume	
Count	
Length	
Percent Salvage	5%

Total Cutting Unit Acres	314
Clearcut Volume (CCF)	0
Seed Tree Volume (CCF)	0
Right Of Way Volume (CCF)	0
Final Seed Tree Volume (CCF)	0
Shelter Wood Volume (CCF)	0

Costs / CCF

Slash FS	\$0.85
Slash Total	\$10.44
Erosion	\$1.91
Misc	\$0.99
Temp Roads	\$2.10
Other Temp Dev	\$0.00
Unusual Cond Adj	\$0.00
Road Maint Dep	\$16.97
Road Maint Total	\$24.42
Non-sawtimber Adj	\$20.34

Comments

Includes other (A), weeds (B), Misc (C)
Includes Tons/CCF Adjustment

\$0.00

0.0

0.0

3.2

66

Columbia Falls

\$0

\$0

\$0

\$7,972

9.8

Montana

282

0

0

32

0

0

0

*Swing Acres are not included in Total Logging System Acres

51

49

29

24

69

30

12

[illegible]

Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17

\$3.04

Conversion to Tons

Advertised Rate per Ton

	Adv. Rate	CCF Vol	Tons	Weighted Average Bidding	Total Value Bidding	
Sawtimber	\$3.04	3793	11344	\$1.02	\$0.86	Sawtimber
Non-Sawtimber	\$1.00	1260	3566	\$0.35	\$0.86	Non_Saw
Base Rate (Sawtimber)	\$3.04	3793	11344	\$1.02	\$0.86	Base Rate (Saw and Nonsaw)
Total Sale Value				\$12,790.72		

District: 04 - Spotted Bear

14910 TONS

9/30/2018
(Termination Date)

[illegible]

District: 04 - Spotted Bear

Appraisal Point: **Columbia Falls**

Total Sawtimber Volume:	3793	CCF	1933	MBF	11344	TONS	2.99
Total Non-Sawtimber Volume:	1260	CCF	639	MBF	3566	TONS	2.83
Totals:	5053	CCF	2572	MBF	14910	TONS	2.95

Anticipated Haul Period	8/2/2016 (Start Date)	Through	9/30/2018 (Termination Date)
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Sale Date	8/23/2016
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[illegible][illegible]

SALABILITY REPORT
Based on Delivered Log Price

Stump to Loaded Truck Costs	CCFs	Avg DBH	Correction Factor	Corrected \$ / CCF	
Ground Based - (Tractor, Forwarder, Horse)	3,426.0	12.0	1.00	\$74.71	\$ / CCF
Ground Lead	0.0	0.0	1.00	\$0.00	\$ / CCF
Skyline	367.0	11.8	1.00	\$98.19	\$ / CCF
Helicopter	0.0	0.0	1.00	\$0.00	\$ / CCF
Total	3,793.0				

Haul	1.00	\$36.32	\$ / CCF
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Purchaser's Cost & Deposits

Non-Sawtimber Adjustment (\$ / CCF)	\$20.34	\$ / CCF
Road Maintenance Costs (\$ / CCF)	\$24.42	\$ / CCF
Environmental Protection Costs (\$ / CCF)	\$13.34	\$ / CCF
Temporary Road Costs (\$ / CCF)	\$2.10	\$ / CCF
Specified Road Costs (\$ / CCF)	\$0.00	\$ / CCF
Unusual Condition Adjustment (\$ / CCF)	\$0.00	\$ / CCF
TOTAL	\$60.20	\$ / CCF

Delivered Log Price \$/MBF

<http://www.consulting-foresters.com/>
http://www.bber.umt.edu/FIR/F_LogPrice.asp

PP	WF/HF	DF/L	WW	S	IRC
369	309	372	364	366	

Stump to Mill Costs (\$ / CCF)	\$173.50
Minimum Rate (\$ / CCF)	\$3.04
Adjustment to Minimum Rate to cover Required Regen Costs (\$ / CCF)	\$0.00
Base Rates (\$ / CCF)	\$3.04
Appraised Rate (\$ / CCF)	\$15.51
Amount Deficit (\$ / CCF)	\$0.00
WTD. Average Delivered Log Price (\$ / MBF)	\$370.85
Required Delivered Log Price to Break Even (\$ / MBF)	\$346.37

STEWARDSHIP CONTRACTS

Value Adjustment (Maximum Adjustment 75%)	(%) 75
Total Stumpage Value Available for Stewy Projects*	\$44,132
*(Appraised Rate x % Adjustment) - Base Rate	

Government Estimates - Stewardship Projects: KV To Be Collected as Base Rate

Essential Regeneration Cost	\$0.00	\$0.00 /CCF	75% Stumpage	\$44,132.36	100% Stumpage	\$58,843.15
KV Other	\$0	\$0 /CCF	Total Value (75%)	\$44,132.36	Tot Value (100%)	\$58,843.15
	\$0	\$0 /CCF	Retained Receipts	\$0.00		
	\$0	\$0 /CCF	Additional Funds	\$0.00		
	\$0	\$0 /CCF	Additional Funds	\$0.00		
	\$0	\$0 /CCF	Tot Add Funds	\$0.00		
	\$0	\$0 /CCF				
Total KV	\$0.00	\$0.00 /CCF	Total +Additional \$\$	\$44,132.36		

TE Appraised Rate	\$0.00	<input type="checkbox"/> Check	Check Box to Use TE App. Rate	Total + Additional \$\$	\$44,132.50
Del. Log Appraised Rate	\$15.51				
Appraised Rate (Minus KV - If Applicable)	\$15.51		Value Adjustment	Sawtimber Volume	Available \$\$ for Optional Projects
\$ / CCF			75 (%)	3,793 CCF	\$58,843.15

Project List (Mandatory)		Cost Estimate(s) \$
Available \$\$ for Mandatory Projects based on Percentage Above.		
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
Mandatory Funded		
TOTAL		\$0.00
Additional Sawtimber Volume required to fund Mandatory Projects		
	0 CCF	
Surplus Sawtimber Value to fund Optional Projects		
	\$44,132	
Deficit: Additional Sawtimber Value Required		
	\$0	

Project List (Optional)		Cost Estimate(s) \$
Available \$\$ for Optional Projects Based on 100% Total Stumpage Value and Surplus From Mandatory Proj List		
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
Optional Funded		
TOTAL		\$0.00
Additional Sawtimber Volume required to fund Optional Projects		
	0 CCF	
Additional Sawtimber Value or funding needed to fund Optional Projects		
	\$0	

If FACTS information is available then
use FACTS COSTS here and on BD and
REGEN Base Rate pages.

BRUSH DISPOSAL

Purchaser

Inflation calculation

2

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit
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1140	Fireline Const	Excavator Type II	Mile	\$1,200
			Mile	
			Mile	
			Mile	
			Mile	
			Mile	

1153	Piling Fuels		Acre	
			Acre	
			Acre	
			Acre	
			Acre	
			Acre	
			Each	
			Mile	

1154	Chipping of Fuels		Acre	
		Landing Cleanup	Each	\$60

1150	Rearrangement of Fuels	Slashing	Acre	\$135
			Acre	
			Acre	
			Acre	
			Acre	
		Fell Damaged Residual	Acre	\$25

1180	Fuel Break	Excavator Type II	Mile	\$600
			Mile	
			Mile	
			Mile	
			Mile	

# Units	Comments	Inflation	Total Activity \$
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4.45		N/A	\$5,340.00
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	

		N/A	
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	

		N/A	
15		N/A	\$900.00

189		N/A	\$25,446.96
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	
80		N/A	\$2,000.00

4.45		N/A	\$2,670.00
		N/A	
		N/A	
		N/A	
		N/A	
		N/A	

Subtotal - Purchaser	\$36,356.96	>>>>
\$/CCF	\$9.59	

BRUSH DISPOSAL
Forest Service

Composite Rate = 1.5617

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	% BD	# Units	Comments	Inflation	Composite %	Tot. Activity \$
1100	Fuel Inventory		Acre							
1111	Fuels Burn BB		Acre							
	Fuels Burn BB		Acre							
	Fuels Burn BB		Acre							
1112	Jackpot Burning		Acre							
	Jackpot Burning		Acre							
1113	Fuels UB		Acre							
	Fuels UB		Acre							
	Fuels UB		Acre							
	Fuels UB		Acre							
1130	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Each							
5010	Air Quality Monit		Acre							
			Acre							

Subtotal -- FS (Deposits)	\$0.00	>>>>
\$/CCF	\$0.00	

Total BD Allowance	\$36,356.96
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Total Appraisal Allowance (\$/CCF)	\$9.59
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REQUIRED KV FOR REGENERATION HARVEST

KV SITE PREP

Composite Rate =

1.5658

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	% KV	# Units	Comments	Inflation	Composite %	Tot. Activity \$
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
1130	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							

Total Site Prep \$0.00

Regeneration

Activity	UOM	Cost/Unit	# Units	Comments	Inflation	Composite %	Tot. Activity \$
Planting	Acre						
Regen Exams	Acre						
Animal Damage Control	Acre						
Chemical Site	Acre						

Total Regeneration \$0.00

Total Required Regen Cost \$0.00 >>>